

ARMAMENT AND MUNITIONS FORUM

“BALANCING ARMAMENT INNOVATION AND READINESS
IMPROVEMENTS WITHIN BUDGET CONSTRAINTS”



LINDNER CONFERENCE CENTER ► PICATINNY, NJ

NOVEMBER 12-13, 2013
WWW.NDIA.ORG/MEETINGS/4050

EVENT #4050

Forum Objective

The purpose of the 2013 Armament and Munitions Forum is to emphasize the importance of a government/industry partnership focused on maintaining readiness and technology/system innovation during times of budget constraints and uncertainty. The forum will address key system and technology segments and provide an opportunity to share and discuss challenges and opportunities during this period. Topics focused on the evolution of the industrial base will also be addressed.

Small Arms Systems

Facing terrorist forces from military operations on open terrain to the open battlefield, American forces—both military and law enforcement—require state of the art and the best equipment. In a time of program uncertainty and budget constraints the ability to realize technology and system innovation while also maintaining readiness requires that the government/industry partnership works together to maintain capability. The focus must remain on enhancements to legacy small arms systems, and innovation in new capabilities including weapons, ammunition, fire control, and other supporting resources. Special attention to unmanned platforms and digitization of the battlefield will address a vision to the future.

TUESDAY, NOVEMBER 12, 2013

- 7:00am** REGISTRATION OPEN
- 7:00am - 8:00am** CONTINENTAL BREAKFAST
- “INDUSTRY/GOVERNMENT PARTNERSHIPS ENSURING READINESS AND INNOVATION DURING BUDGET UNCERTAINTY”
- 8:00am - 8:20am** WELCOME AND INTRODUCTION
- ▶ MG Barry Bates, USA (Ret), *Vice President, Operations, NDIA*
 - ▶ Mr. Dave Broden, *President, Broden Resource Solutions, LLC; Chair, NDIA Armaments Division*
- 8:20am - 9:00am** GOVERNMENT KEYNOTE ADDRESS
- ▶ BG John J. McGuinness, USA, *Senior Commander, PEO Ammunition*
- 9:00am - 9:45am** ARDEC ARMAMENTS AND MUNITIONS TECHNOLOGY THRUSTS
- ▶ Ms. Barbara Machak, *Executive Director, ESIC, ARDEC*
- 9:45am - 10:00am** NETWORKING BREAK
- 10:00am - 10:30am** DOD ORDNANCE TECHNOLOGY CONSORTIUM (DOTC)
- ▶ Mr. Don Geiss, *Program Director, DOTC*
 - ▶ Mr. Gary Schneider, *President, CEO, G. Schneider and Associates, Inc.*
 - ▶ Mr. Karl Lewis, *President, Lewis Machine and Tool Company*
- 10:30am - 11:30am** UPDATE/STATUS ON DOD AUTHORIZATION AND APPROPRIATIONS FOR FY14
- ▶ Lt Col Robert Levinson, USAF (Ret), *Senior Defense Analyst, Bloomberg Government*
- 11:30am - 1:00pm** NETWORKING LUNCH
- 1:00pm - 1:10pm** SMALL ARMS SYSTEMS OVERVIEW
- ▶ Mr. Brian Berger, *Vice President, General Manager, General Dynamics-OTS Canada, Inc.; Chair, NDIA Small Arms Committee*
- “SMALL ARMS SYSTEM ADVANCES IN TIMES OF DIMINISHING RESOURCES”
- 1:10pm - 1:30pm** SMALL ARMS SYSTEMS KEYNOTE ADDRESS
- ▶ Mr. James Shields, *Deputy Program Executive Officer, PEO Ammunition, U.S. Army*
- 1:30pm - 2:15pm** SMALL ARMS INDUSTRY PERSPECTIVE
- ▶ Mr. Bruce Webb, *Vice President, Specialty Ammunition, Nammo Talley, Inc.*
 - ▶ Mr. Brian Lisankie, *President, Aimpoint, Inc.*
- 2:15pm - 2:50pm** JOINT SERVICE SMALL ARMS PROGRAM PRESENTATION
- ▶ Mr. Joel Goldman, *Chief, Joint Service Small Arms Program Office, ARDEC*
 - ▶ Dr. Barton H. Halpern, *JSSAP Technology Manager, Joint Service Small Arms Program Office, ARDEC*
 - ▶ Mr. Michael Tauber, *Small Arms and Accessories Lead, DOTC, Joint Service Small Arms Program Office, ARDEC*

- 2:50pm - 3:05pm** **NETWORKING BREAK**
- 3:05pm - 3:40pm** **PM SOLDIER WEAPONS**
- ▶ COL Scott Armstrong, USA, *Project Manager, Soldier Weapons*
 - ▶ LTC Paul Alessio, USA, *Product Manager, Crew-Served Weapons*
 - ▶ LTC Shawn Lucas, USA, *Product Manager, Individual Weapons*
- 3:40pm - 4:15pm** **PM MAS SMALL CALIBER AMMO**
- ▶ COL Paul Hill, USA, *Project Manager, Maneuver Ammunition Systems*
 - ▶ LTC Phil Clark, USA, *Deputy Project Manager, Maneuver Ammunition Systems Small Caliber Ammunition*
- 4:15pm - 5:00pm** **ENSURING READINESS: INDUSTRIAL BASE TRAINING, LOGISTICS, MAINTENANCE, INDUSTRIAL RESOURCE, CHALLENGES AND OPPORTUNITIES**
- ▶ Mr. Kent Holiday, *Vice President and General Manager, ATK*
 - ▶ Mr. Jean Louis Vanderstraeten, *President and CEO, FN Manufacturing, LLC*
 - ▶ Mr. C. Reed Knight, *President, Knight's Armament Company*
- 5:00pm - 5:45pm** **AWARDS PRESENTATION**
- ▶ The Hathcock Award Presented to MSG Jim Smith, USA (Ret)
 - ▶ The Chinn Award Presented to Mr. Rudy Nedelka
 - ▶ The Ambrose Industry Award Presented to SureFire, LLC.
- 5:45pm - 5:55pm** **WRAP UP**
- ▶ Mr. Brian Berger, *Vice President, General Manager, General Dynamics-OTS Canada, Inc.; Chair, NDIA Small Arms Committee*
- 6:15pm - 7:30pm** **RECEPTION AT OFFICERS CLUBHOUSE**

WEDNESDAY, NOVEMBER 13, 2013

- 7:00am** **REGISTRATION OPEN**
- 7:00am - 8:00am** **CONTINENTAL BREAKFAST**
- 8:00am - 8:10am** **GUNS, AMMUNITION, ROCKETS, AND MISSILES OVERVIEW**
- ▶ Mr. Dave Broden, *President, Broden Resource Solutions, LLC; Acting Chair, NDIA Guns, Ammunition, Rockets, and Missiles Committee*
- “EXPANDING THE WARFIGHTER’S CAPABILITY THROUGH TECHNOLOGY INVESTMENT”**
- 8:10am - 8:40am** **PM MAS OVERVIEW**
- ▶ COL Paul Hill, USA, *Project Manager, Maneuver Ammunition Systems*
- 8:40am - 9:20am** **PM CAS OVERVIEW**
- ▶ COL Willie Coleman, USA, *Project Manager, Combat Ammunition Systems*
 - ▶ Mr. Rene Kiebler, *Deputy Project Manager, Combat Ammunition Systems, U.S. Army*
- 9:20am - 10:00am** **PM CCS PROGRAM AND TECHNOLOGY OVERVIEW**
- ▶ COL Richard J. Hornstein, USA, *Project Manager, Close Combat Systems*
 - ▶ Mr. Matt Butler, *Deputy Project Manager, Close Combat Systems, U.S. Army*

Guns, Ammunition, Rockets, and Missiles
The Guns, Ammunition, Rockets, and Missiles community focus areas include medium and large caliber direct and indirect fire technologies, armament systems for land, sea, and air applications, energetics, precision munitions, and systems integration onto current and emerging platforms. Attention to modeling and simulation is key to the innovation objectives of the segment. Technology and manufacturing changes and new approaches to ensure affordability will also be addressed.

Unconventional and Emerging Armament Systems (UEAS)

The Unconventional and Emerging Armament Systems focus areas include (but are not limited to) electromagnetics, lasers, high power microwave, non-lethal counter personnel and material, hypersonic, sensor defeat (spectrum denial), and other emerging armament technologies. Topics addressed include opportunities for UEA technologies and systems and status of technologies enabling new armament capabilities. Progress in several key areas will be highlighted.

10:00am - 10:15am	NETWORKING BREAK
10:15am - 10:45am	ARMAMENTS AND MUNITIONS FOR UNMANNED PLATFORM INDUSTRY VIEW ► Mr. Charles Dean, <i>Director of Business Development, Technology Solutions, Unmanned Systems, QinetiQ</i>
10:45am - 11:15am	TRENDS IN UAS WEAPONIZATION AND TARGETING ► Mr. David Hendrickson, <i>Director of Business Development, AV, Inc.</i>
11:15am - 11:45am	ADDITIVE MANUFACTURING (3-D) INNOVATION ENABLING NEW TECHNOLOGIES AND MANUFACTURING CAPABILITIES ► Mr. John Dobstetter, <i>Business Development Manager, Stratasys</i>
11:45am - 12:15pm	APPLICATIONS OF UNIQUE MODELING SIMULATION FOR ARMAMENT SYSTEM IMPROVEMENT INDUSTRY ► Mr. William McGinn, <i>Senior Application Engineer, Ansys, Inc.</i>
12:15pm - 12:45pm	30MM PABM-T QUALIFICATION STATUS ► Mr. Andrew Smith, <i>Naval Surface Warfare Center Dahlgren Division</i>
12:45pm - 1:45pm	NETWORKING LUNCH
1:45pm - 1:55pm	UNCONVENTIONAL AND EMERGING ARMAMENT SYSTEMS: (UEAS) OVERVIEW ► Mr. Dan Hartman, <i>Business Development, Spectra Technologies, LLC; NDIA Unconventional and Emerging Technology Armaments Systems Committee</i>
	“A 360-DEGREE VIEW OF UNCONVENTIONAL AND EMERGING ARMAMENTS: NEW CAPABILITY FOR AFFORDABLE RESPONSE”
1:55pm - 2:25pm	NATO NON-LETHAL CAPABILITIES UPDATE ► Mr. John Edwards, <i>Program Management Official, JSAAP, U.S. Army ARDEC; Chairman, NATO Sub Group on Non-Lethal Capabilities</i>
2:25pm - 2:55pm	MISSION PAYLOAD MODULE NON-LETHAL WEAPON SYSTEM SCALABLE NON-LETHAL EFFECTS WEAPON ► Mr. Kris Hildebrandt, <i>Executive Director, General Dynamics-OTS</i>
2:55pm - 3:10pm	NETWORKING BREAK
3:10pm - 3:40pm	AN INTEGRATED NANOTECHNOLOGY CAPABILITY FOR MUNITIONS APPLICATION ► Mr. Kendall Mills, <i>Nanomaterials Laboratory, ARDEC</i>
3:40pm - 4:10pm	RECENT DEVELOPMENTS IN MANUFACTURING OF PRIMERS BASED ON NANOENERGETIC COMPOSITES ► Dr. Zac Doorenbos, <i>Principal R&D Engineer, Innovative Materials and Processes, LLC</i>
4:10pm - 4:20pm	UEA VISION FORWARD ► Mr. Dan Hartman, <i>Business Development, Spectra Technologies, LLC; NDIA Unconventional and Emerging Technology Armaments Systems Committee</i>
4:20pm	ADJOURN

SMALL ARMS COMMITTEE AWARDS

Hathcock Award

The Hathcock Award is named in honor of Gunnery Sergeant Carlos N. Hathcock, II, USMC, a career marine who dedicated his life to the service of this country in both the military and law enforcement communities. He was honest, tactful, considerate, courageous, quietly proud, and determined in all things and all places from the range to the battlefield. “The Gunny” not only distinguished himself in combat as a scout-sniper, but also as a competitive marksman and trainer. In his capacity as a trainer, he not only significantly impacted the current United States Marine Corps Scout-Sniper Program, but also influenced the sniper programs of the other military services and similar law enforcement programs nationwide.

The Hathcock Award is presented to recognize an individual who, in the opinion of the Small Arms Committee Executive Board, has made significant contributions in operational employment and tactics of small arms weapons systems which have impacted the readiness and capabilities of the U.S. military or law enforcement. A significant contribution is considered to be a superior performance of duties in an operational environment or the development of tactics or training.

Such contributions would be easily recognized as “excellence” in industry leadership and responsiveness in cases where National security priorities require attention to meet urgent needs in either peace or war time.

Chinn Award

The Chinn Award is named in honor of LtCol George M. Chinn, USMC, a career Marine who dedicated his life to the study, development and refinement of machine gun mechanisms. LtCol Chinn is remembered for his work as a gun designer and for having compiled a five volume reference work entitled, “The Machine Gun.”

The Chinn Award is presented annually to honor a government or industry individual who, in the opinion of the Small Arms Committee Executive Board, has made significant contributions to the field of small arms and/or infantry weapons systems. A significant contribution is considered to be a creative invention, new design or innovative concept in small arms weapons, ammunition or ancillary equipment that provides an advancement in the state-of-the art or capability enhancement that clearly benefits the warfighting or general military capability of the U.S. The Chinn Award may also be conferred as recognition to an individual who has performed sustained superior service in a career field of science, engineering, test and evaluation, manufacturing program management, academic study and research, publishing or maintenance relating to military small arms or infantry weapons.

Ambrose Industry Award

The Ambrose Industry Award is named in honor of former Under Secretary of the Army, Mr. James R. Ambrose for his recognition of the value and contribution of industry in meeting the needs of our National Defense. This was made unmistakably clear during his tenure from 1981-1988 as Under Secretary of the Army during the Presidency of Ronald Reagan. He was a major force in the post Vietnam modernization of all small arms weaponry where new and improved versions of the M16, M249, and M9 were purchased in large quantities as a result of industry competitions.

The Ambrose Award is established and presented periodically to recognize a Defense Industry which, in the opinion of the Small Arms Committee Executive Board, has made outstanding contributions to the field of small arms systems. An outstanding contribution is characterized by exemplary commitment and contribution to the Armed Forces by delivering superior materiel that meets required operational capabilities and supports a high level of force readiness in the conduct of warfighting activities or homeland defense. Such contributions may be shown through a record of continual demonstration of emerging technologies, development of products and systems, establishment of enhanced production capabilities and integration of innovative weapons systems and supporting products and services required by the DoD and Allied countries.

Save the Date

JOINT ARMAMENTS CONFERENCE, EXHIBITION & FIRING DEMONSTRATION

Phoenix Convention Center, May 12-15, 2014
Phoenix, Arizona

www.ndia.org/meetings/4610

Abstracts will be accepted at the following link:

<http://application.ndia.org/abstracts/4610>

All submissions are due by:
February 15, 2014

MUNITIONS EXECUTIVE SUMMITT

Morristown Hyatt, February 25-27, 2014
Morristown, NJ

“Maintaining a Responsive Munitions Enterprise

.... Preserving in an Uncertain Landscape”